CLAIMS

1. A cosmetic use of a biguanide derivative of following general formula I:

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in which:

the R1 and R2 groups, independently of each other, represent a hydrogen atom, a C_1 - C_7 alkyl group, a cycloalkyl group, a heterocycle, a C_2 - C_7 alkenyl group, an aryl group, an aryloxylalkyl group or a heteroaryl group,

or R1 and R2 taken together represent a C_2 - C_7 alkylene possibly containing one or more heteroatoms,

and the R3 group represents a primary, secondary or 15 tertiary amine

or its cosmetically acceptable salt with the exception of the compound of formula:

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as an anti-aging and restructuring agent for the epidermis and the papillary dermis.

- 2. Use as in claim 1 to increase the production of type III collagen in the papillary dermis, to stimulate the proliferation of keratinocytes in the epidermis and/or to increase the thickness of the epidermis.
- 3. Use as in any of the preceding claims to prevent, decrease and/or suppress the appearance of wrinkles on the skin.

- 4. Use as in any of the preceding claims for its tensor or toning effect on the skin.
- 5. Use as in any of the preceding claims, characterized in that the R1 and R2 groups, independently of each other, represent a hydrogen atom or a C_1 - C_7 alkyl group.
- 6. Use as in any of the preceding claims characterized in that the R3 group represents NH_2 .
- 7. Use as in claim 6, characterized in that the derivative of biguanide is metformin, advantageously in the form of a hydrochloride.
- 8. Use as in any of the preceding claims taken separately, characterized in that the biguanide derivative is in a cosmetic composition form for local use.
- 9. Use as in claim 8 taken separately, characterized in that the composition contains 0.02 to 2 % by weight of the biguanide derivative or its cosmetically acceptable salt and a suitable excipient.
 - 10. Use as in any of the preceding claims, characterized in that the derivative of biguanide or its cosmetically acceptable salt is combined with at least one other active ingredient.
 - 11. Cosmetic treatment process of skin aging using a composition comprising a biguanide derivative of following general formula I:

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in which:

the R1 and R2 groups, independently of each other, represent a hydrogen atom, a C_1 - C_7 alkyl group, a cycloalkyl group, a heterocycle, a C_2 - C_7 alkenyl group, an aryl group, an aralkyl group, an aryloxylalkyl group or a heteroaryl group,

or R1 and R2 taken together represent a $C_2\text{-}C_7$ alkylene possibly containing one or more heteroatoms,

and the R3 group represents a primary, secondary or tertiary amine or its cosmetically acceptable salt with the exception of the compound of formula: